

Name: \_\_\_\_\_

**at1110paper\_\_practice\_\_test (v7)**

1. Expand the following expression into standard form.

$$(3x + 8)(3x - 8)$$

2. Solve the equation.

$$(9x + 4)(7x + 8) = 0$$

3. Factor the expression.

$$x^2 + 5x - 14$$

4. Solve the equation with factoring by grouping.

$$8x^2 + 6x + 20x + 15 = 0$$

5. Expand the following expression into standard form.

$$(3x + 4)(5x + 9)$$

6. Factor the expression.

$$36x^2 - 49$$

7. Expand the following expression into standard form.

$$(5x - 2)^2$$

8. Solve the equation.

$$10x^2 - 37x - 58 = 3x^2 + 4x - 2$$